

**CCDA - Designing for Cisco Internetwork Solutions (DESGN) (640-864)**

**QUESTION 21**

What is primary consideration when choosing a routed network design over a traditional campus network design?

- A. Layer 3 service support at the network edge
- B. the routing protocol choice: open (OSPF) or proprietary (EIGRP)
- C. the routing abilities of the host devices
- D. the need to control the broadcast domains within the campus core

**Answer: A**

**QUESTION 22**

Drag and Drop Question

Drag the characteristics of the traditional campus network on the left to the most appropriate hierarchical network layer on the right.

	Access
high level of availability, scalability and fast convergence	
enforces policy within the network	
routing boundary (dynamic, summarization, static)	Distribution
provide security, QoS, and IP multicast to network	
provides a limited set of services	Core
the most feature-rich parts of the campus network	

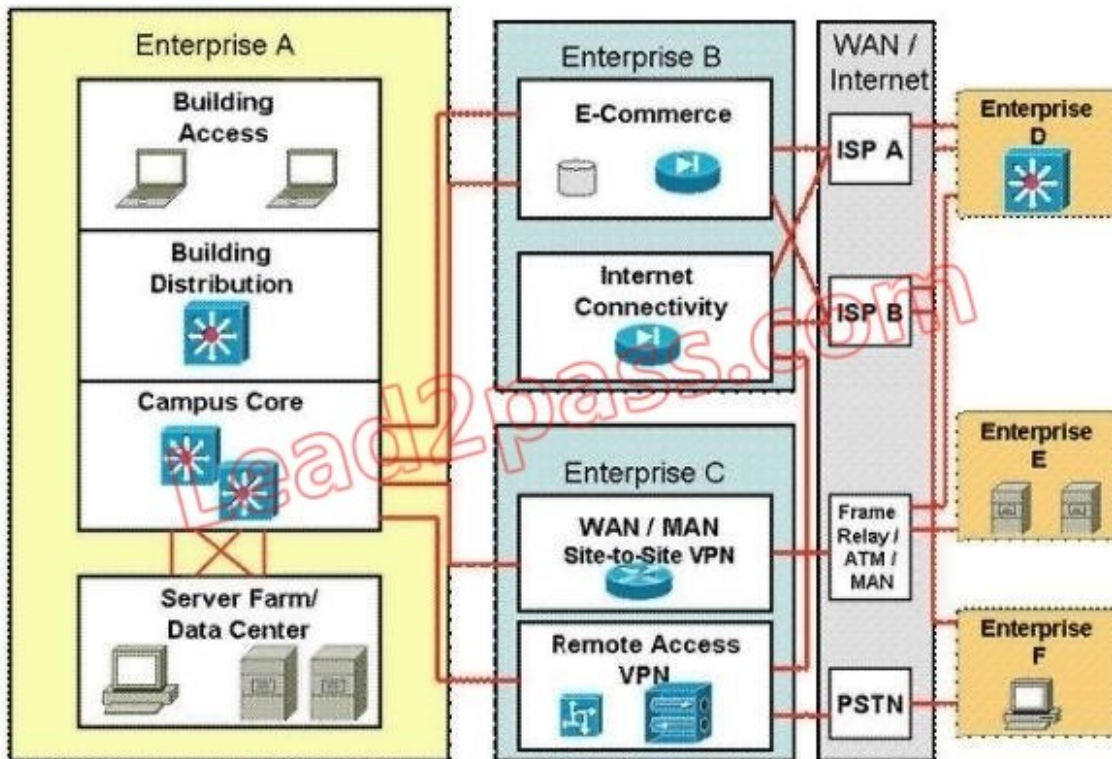
**Answer:**

	Access
high level of availability, scalability and fast convergence	provide security, QoS, and IP multicast to network
enforces policy within the network	the most feature-rich parts of the campus network
routing boundary (dynamic, summarization, static)	Distribution
provide security, QoS, and IP multicast to network	enforces policy within the network
provides a limited set of services	routing boundary (dynamic, summarization, static)
the most feature-rich parts of the campus network	Core
	high level of availability, scalability and fast convergence
	provides a limited set of services

**QUESTION 23**

Refer to the exhibit. Which module is the Enterprise WAN module?

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- A. Enterprise A
- B. Enterprise B
- C. Enterprise C
- D. Enterprise D
- E. Enterprise E
- F. Enterprise F

**Answer: C**

**QUESTION 24**

Which two statements best describe an OSPF deployment? (Choose two)

- A. ABR provides automatic classful network boundary summarization.
- B. ABR requires manual configuration for classful network summarization
- C. External routes are propagated into the autonomous system from stub areas via ASBR.
- D. External routes are propagated into the autonomous system from regular areas or NSSA via ASBR.
- E. External routes are propagated into the autonomous system from regular areas or NSSA via ABR.

**Answer: BD**

**QUESTION 25**

A large enterprise requires sensitive information be transmitted over a public infrastructure. It requires confidentiality, integrity, and authenticity. Which security solution best meets these requirements?

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- A. Cisco IOS Firewall
- B. Intrusion Prevention
- C. IPSEC
- D. AAA
- E. Traffic Guard Protector
- F. SECURE CONECTIVITY

**Answer: C**

**QUESTION 26**

There are a number of advantages to using virtualization within the data center module. Which the following two are samples of these advantages?

- A. Virtualization consolidates many low-performance devices into a few high-performance devices, providing a more efficient utilization of hardware and increasing the price/performance ratio.
- B. Virtualization compartmentalizes a single device into a few high-performance devices, providing a more efficient utilization of hardware and increasing the price/performance ratio.
- C. Dynamic forcibility eliminates the need to add, reassign, or repurpose resources in the system.
- D. Virtualization separates user via different physical networks into groups with visibility into only their logical network.
- E. Virtualization provides distinct security policies per physical device.

**Answer: AB**

**QUESTION 27**

When selecting which hardware switches to use throughout an enterprise campus switched network, which consideration is not relevant?

- A. whether data link layer switching based the MAC address is required
- B. the number of shared media segments
- C. which infrastructure service capabilities are required
- D. whether to support Layer 3 services at the network edge.

**Answer: B**

**QUESTION 28**

Drag and Drop Question

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Drag the WAN technology on the left to the most appropriate category on the right.

	Leased
Frame-Relay	
TDM	
SONET	
MPLS	

Shared


**Answer:**

Drag the WAN technology on the left to the most appropriate category on the right.

	Leased
Frame-Relay	
TDM	
SONET	
MPLS	

Shared

Frame-Relay
MPLS

**QUESTION 29**

Drag and Drop Question



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Drag the data center properly on the left to the design aspect on the right it is most apt to affect.

variable of computing load, computing power and memory requirements	Space
disasters, fire suppression and alarm systems	Weight Load
abundant, variable, well organized and easy to maintain	Power
amount of racks, equipment, cabling, people	Cooling
arrange equipment racks face-to-face or back-to-back	Cabling
rack servers vs blade serves	Security

**Answer:**

Drag the data center properly on the left to the design aspect on the right it is most apt to affect.

variable of computing load, computing power and memory requirements	amount of racks, equipment, cabling, people
disasters, fire suppression and alarm systems	variable of computing load, computing power and memory requirements
abundant, variable, well organized and easy to maintain	rack servers vs blade serves
amount of racks, equipment, cabling, people	arrange equipment racks face-to-face or back-to-back
arrange equipment racks face-to-face or back-to-back	abundant, variable, well organized and easy to maintain
rack servers vs blade serves	disasters, fire suppression and alarm systems

**QUESTION 30**

Layer 2 switching is exclusively used in which Enterprise Campus Module layer?

- A. Server Farm
- B. Campus Core
- C. Building Access
- D. Building Distribution
- E. Internet Connectivity

**Answer: C**

**QUESTION 31**

Which one of these statements describes why, from a design perspective, a managed VPN approach for enterprise teleworkers is a most effective?

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- A. A managed VPN solution uses a cost effective, on-demand VPN tunnel back to the enterprise
- B. This solution supports all teleworkers who do not require voice or video
- C. This architecture provides centralized management where the enterprise can apply security policies and push configurations.
- D. It provides complete flexibility for remote access through a wireless hotspot or a guest network at a host, in addition to a home office.

**Answer: C**

**QUESTION 32**

Which one of these statements is true when considering the design of voice and video services for the enterprise campus network?

- A. Access layer switches should support 802.1Q trunking and 802.1p for Layer 2 CoS packet marking on Layer 2 ports with IP phones connected.
- B. Combining voice and data and a single VLAN simplifies QoS trust boundaries, VLAN access control, and ease of management.
- C. Data devices will also require access to priority queues via packet tagging.
- D. Fixed network delays (serialization, propagation, and so on) are generally unpredictable and more difficult to calculate than variable network delays.

**Answer: A**

**QUESTION 33**

Drag and Drop Question

Drag the WAN characteristics on the left to the branch office model where it would most likely be used on the right.

Redundant devices	Small Office
MPLS Deployment model	
Redundant Links	Medium Office
Redundant Links and Devices	
Private WAN deployment	Large Office
Internet Deployment Model	

**Answer:**

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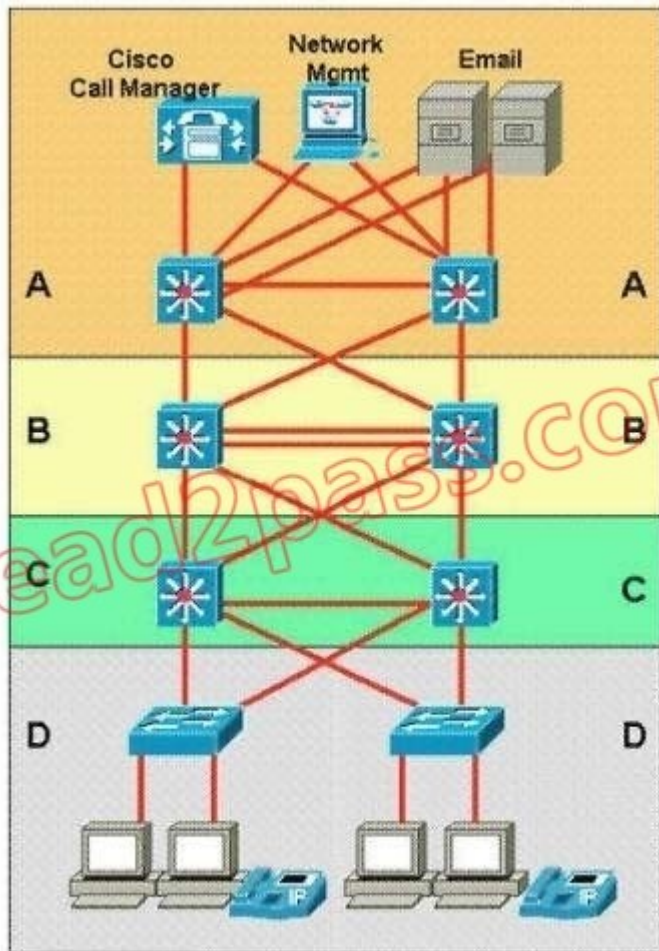
Drag the WAN characteristics on the left to the branch office model where it would most likely be used on the right.

	Small Office
Redundant devices	Redundant Links
MPLS Deployment model	Internet Deployment Model
Redundant Links	Medium Office
Redundant Links and Devices	Redundant devices
Private WAN deployment	Private WAN deployment
Internet Deployment Model	Large Office
	Redundant Links and Devices
	MPLS Deployment model

**QUESTION 34**

Refer to the exhibit. Which two statements correctly identify the layers of the Enterprise Campus module? (Choose two)

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- A. A is the Data Center Module and C is the Campus Core layer
- B. A is the Data Center Module and D is the Building Access layer
- C. B is the Campus Core layer and C is the Building Distribution layer
- D. B is the Building Distribution layer and C is the Campus Core layer
- E. A is the Internet Connectivity layer and B is the Campus Core layer
- F. B is the Building Distribution layer and D is the Building Access layer

**Answer:** BC

**QUESTION 35**

Which statement describes the recommended deployments of IPv4 addressing in the Cisco Network Architecture for the Enterprise?

- A. private addressing throughout with public addressing in the Internet Connectivity module
- B. private addressing throughout with public addressing in the Internet Connectivity and E-Commerce modules
- C. private addressing throughout with public addressing in the Internet Connectivity, E-Commerce, and Remote Access and VPN modules
- D. private addressing throughout with public addressing in the Internet Connectivity, E-Commerce,

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and Enterprise Branch modules

**Answer: C**

**QUESTION 36**

Drag and Drop Question

Drag the security provision on the left to the appropriate Network module on the right.

	Access
Protect the endpoints using network-based intrusion prevention.	
Filter and rate-limit control plane traffic.	
Protect against inadvertent loops.	
Does not perform security functions to mitigate transit threats.	
Protect the infrastructure using NFP best practices.	
Protect network services including DHCP, ARP, and IP spoofing protection.	

**Answer:**

Drag the security provision on the left to the appropriate Network module on the right.

	Access
Protect the endpoints using network-based intrusion prevention.	Protect the endpoints using network-based intrusion prevention.
Filter and rate-limit control plane traffic.	Protect against inadvertent loops.
Protect against inadvertent loops.	Filter and rate-limit control plane traffic.
Does not perform security functions to mitigate transit threats.	Protect network services including DHCP, ARP, and IP spoofing protection.
Protect the infrastructure using NFP best practices	
Protect network services including DHCP, ARP, and IP spoofing protection.	

**QUESTION 37**

Drag and Drop Question

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Drag the technology on the left to the type of enterprise virtualization where it is most likely to be found on the right.

	Network Virtualization
ASA firewall context	
IPS	
vPC	
VLAN	
VDC	
VRF	

**Answer:**

Drag the technology on the left to the type of enterprise virtualization where it is most likely to be found on the right.

	Network Virtualization
ASA firewall context	vPC
IPS	VLAN
vPC	VRF
VLAN	
VDC	Device Virtualization
VRF	ASA firewall context
	IPS
	VDC

**QUESTION 38**

For which network scenario is static routing most appropriate?

- A. parallel WAN links
- B. IPSec VPN
- C. expanding networks
- D. hierarchical routing

**Answer: B**

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**QUESTION 39**

Refer to the exhibit. During which stage of the PPDIOO process are implementation procedures prepared?



- A. Prepare
- B. Plan
- C. Design
- D. Implement
- E. Operate
- F. Optimize

**Answer: C**

**QUESTION 40**

When considering the three VoIP design models single site, centralized multisite, and distributed multisite which question below would help to eliminate one of these questions?

- A. Will the switches be required to provide inline power?
- B. Will users need to make off site calls, beyond the enterprise?
- C. Will users require applications such as voice mail and interactive voice response?
- D. Are there users whose only enterprise access is via a QoS-enabled WAN?

**Answer: D**